

## METHODS AND COMPOSITIONS FOR TISSUE AUGMENTATION

### ABSTRACT

5 Methods and compositions for use in tissue volume replacement are provided. The present invention comprises compositions comprising a combination of materials, comprising preferably a solid polymer particle phase and a gel phase, and also comprises single phase compositions. More particularly, preferred  
10 embodiments comprise a solid polymer particle phase made of materials comprising Gore-Tex (micronized e-PTFE), PDS II (polydioxanone, a monofilament), NUROLON (a long chain aliphatic polymer Nylon 6 or Nylon 6,6) ETHILON (a long chain aliphatic polymer Nylon 6 and Nylon 6,6), PROLENE (Polypropylene, isotactic crystalline  
15 stereoisomer of polypropylene, a synthetic linear polyolefin.), VICRYL (copolymer made from 90% glycolide and 10% L-lactide), silk, MONACRYL (poly e-caprolactone.), polylactide, polyglycolide, poly lactide-co-glycolide, and BIOPOL (polyhydroxyvalerate), MEDPOR (biocompatible (micronized) polyethylene), BIOGLASS (bioactive glass  
20 particulate), NOVABONE and NOVABONE-CM, and the gel phase comprises polyvinylpyrrolidone (PVP). Preferred single phase compositions comprise PVP. Methods of the present invention comprising injection of such compositions for tissue augmentation.

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